GLOBAL EXPEDITIONARY MEDICAL SYSTEM
INFO BRIEF TO ESOHPB
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THIS BRIEFING
IS CLASSIFIED:
UNCLASSIFIED

Col Mark Hamilton

HQ ACC/SGOP

PURPOSE

Info Briefing: Describe Global Expeditionary Medical Systems Components, Status, and Concept of Operations

Outline

- **GEMS**
- **Team Aerospace IM/IT**
  - **The Situation**
  - **The Approach**
  - **The Status**
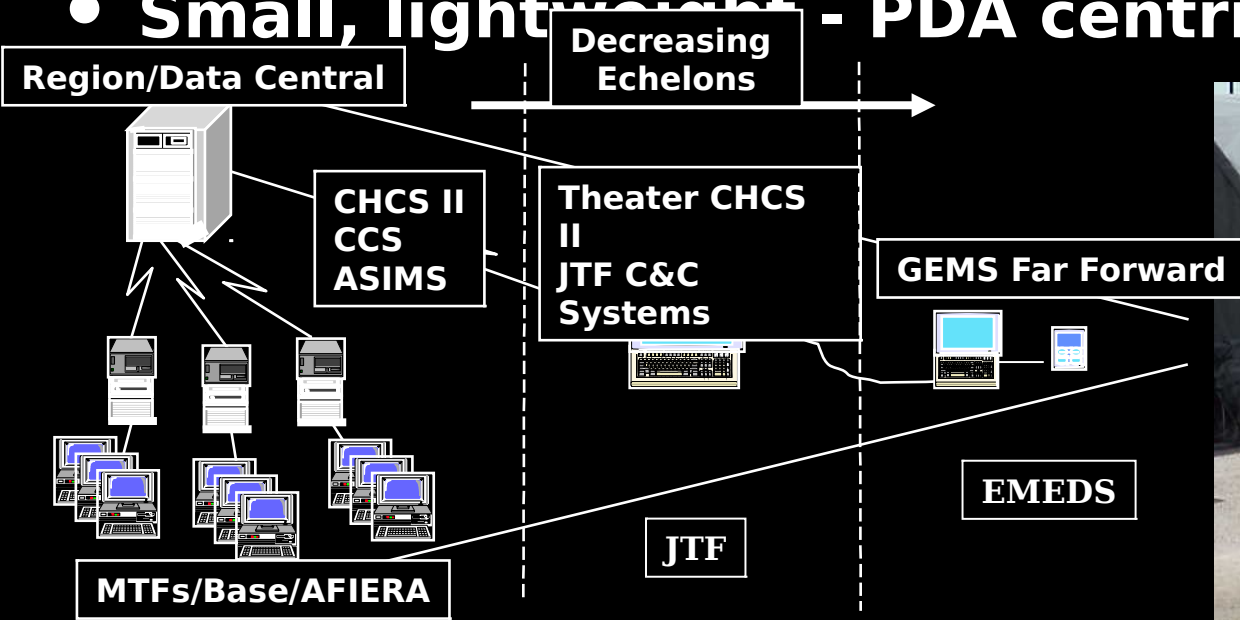- **Why Successful?**
- **Conclusion**

Team Aerospace IM/IT - Situation

- **TA "First in" Deployers**
  - **Preventative Aerospace Medicine Team**
  - **EMEDs**
- **Critical for Force Health Protection**
  - **Operational Medicine**
  - **Population health**
  - **Occupational/Environmental Surveillance**

GEMS

- **Global Expeditionary Medicine System (GEMS)**
  - Improved Medical Surveillance System (MSS)
  - Previously known as Desert Care **II**
- **Far forward IM/IT (Level 1 & 2 Echelons)**
- **Small, lightweight - PDA centric**

Region/Data Central

Decreasing Echelons

CHCS II CCS ASIMS

Theater CHCS II JTF C&C Systems

GEMS Far Forward

EMEDS

JTF

MTFs/Base/AFIERA

GEMS Components

- **Patient Encounter Module (PEM)**
- **Theater Epidemiological Module (TEM)**
- **Theater Occupational Module (TOM)**

PEM
- Front-line medics
- Connectionless data linked tool
- Core features
- GEMs documents

TEM
- epidemiological analysis tool
- Advanced Command and Control patient Surveillance -- reports

TOM
- Far forward
- Command
- environmental and occupational individual

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Full Spectrum TA IM Concept
Seamless Life Long Medical History

CHCS II/2

AFIERA ANALYSIS & ARCHIVE

DOHRS

Command Core

JTF Theater Database

JTF Theater Epi/C2 Module

GEMS

USN/NATO Deployed Medical Unit

Theater Env Occupational Module (CCS-Theater)

Patient Encounter Module
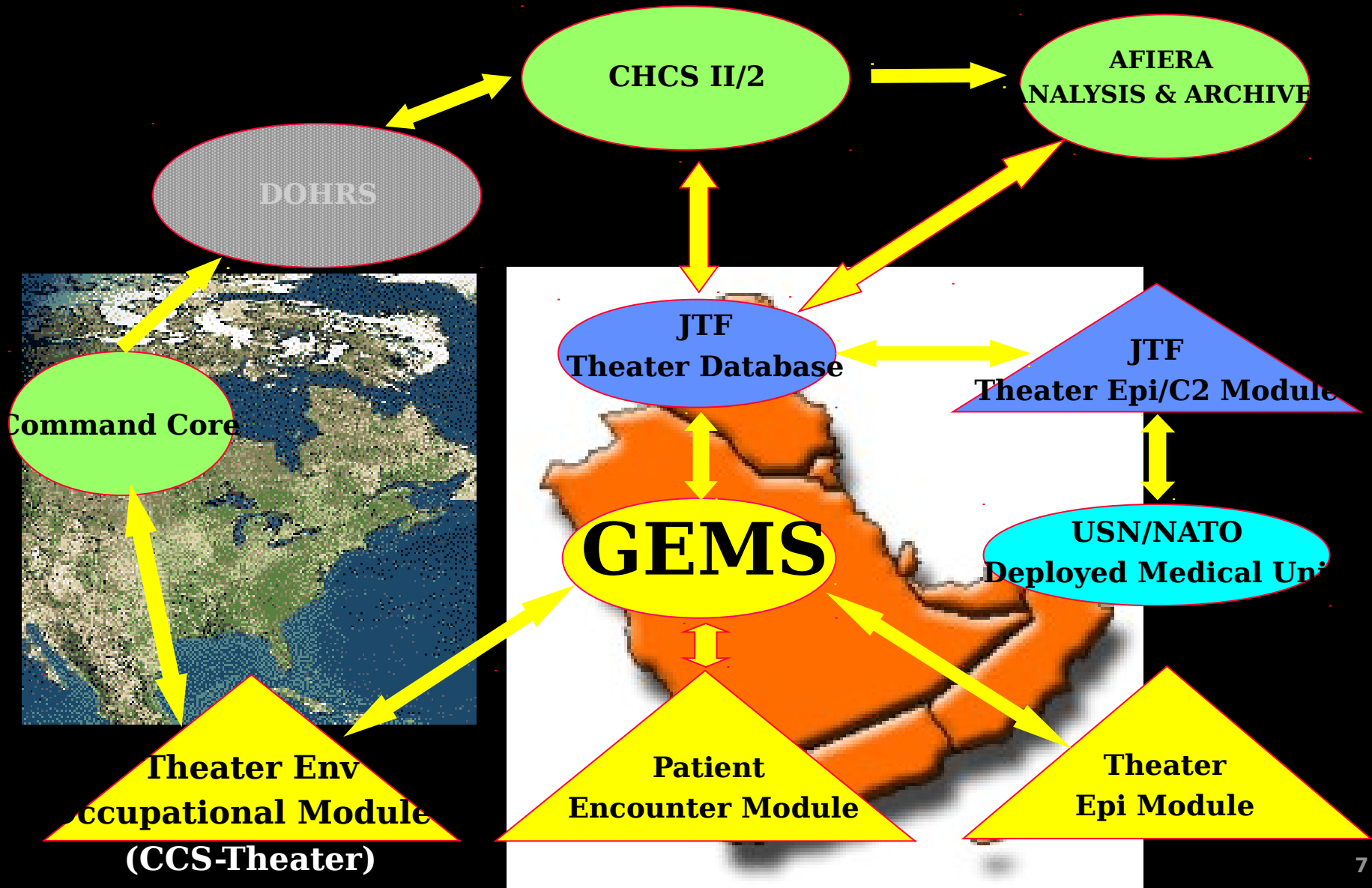
Theater Epi Module

Why Successful?

- **Embraced Unique Aerospace Operational Culture**
  - **Culture Drove Requirements Implementation**
- **Provides "clinical face" tool**
- **Addresses Command & Control**
  - **Theater Epi Module**

Conclusion

- **Successful Team Aerospace IM/IT**
  - **Full Spectrum ESOH Approach**
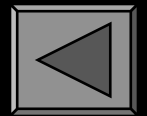 - **AF's PDR-5 Solution**

BACKUP SLIDES

GEMS Status

- DT&E
  - Full CCS Integration - Aug 2001
- OT&E
  - USAFE Medceur exercise - July 2000
  - JFCOM Millennium Challenge 2000 - Aug 2000
  - JEFX 2000 - Sept 2000
  - Pacific Warrior - Jan 2001
- DEPLOYED (Version 1.2)
  - All EMEDS platforms
  - AFSOC deployments
  - Prince Sultan AB
  - Data Central -- Brooks AFB

CCS Integration Model

Flight Med
Public Health
Physical Exams
Bioenvironmental

GCSS/ACES/ GEOBASE

CHCS-II/Other

Command Core

Medical

Environment

Safety

Logistics

TOM
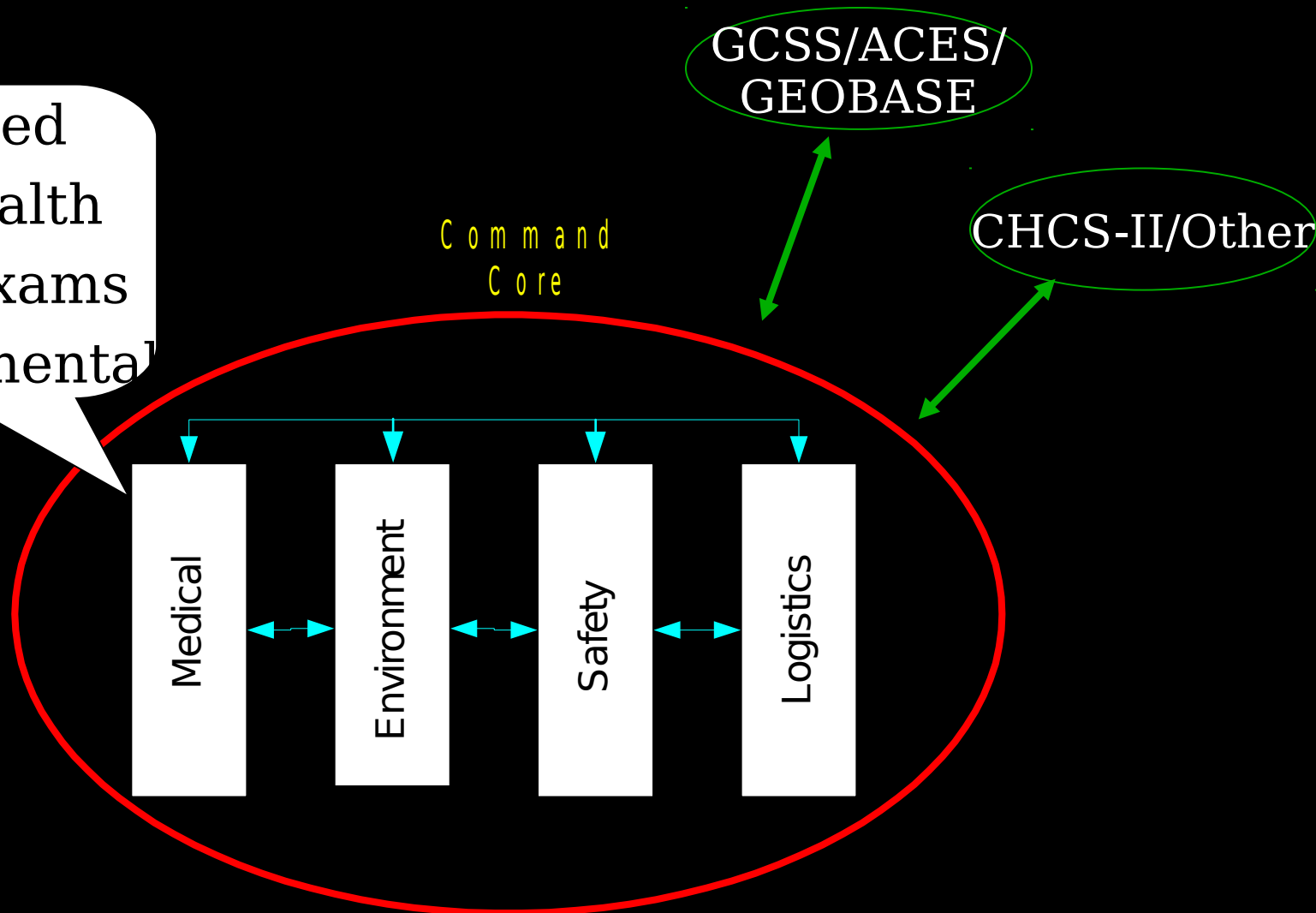
TOM Feature Set

Environmental

- **Environmental Sampling**
- **Risk Assessment**
- **Hazardous Material Management**

Occupational Health

- **Demographics**
- **Industrial Hygiene**
- **Environmental Health**
- **Risk Assessment**

Safety

- **Injury and Illness**
- **Risk Assessment**